

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
 Data File : BF087608.D
 Acq On : 1 Jun 2016 6:36
 Operator : UM/SJ
 Sample : H3323-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Manual Integrations
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Quant Time: Jun 01 07:46:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	135651	20.00	ng	-0.08
21) Naphthalene-d8	9.47	136	509528	20.00	ng	-0.08
38) Acenaphthene-d10	12.30	164	212962	20.00	ng	-0.09
63) Phenanthrene-d10	14.71	188	327429	20.00	ng	-0.07
75) Chrysene-d12	18.42	240	273511	20.00	ng	-0.06
86) Perylene-d12	20.10	264	235801	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	751907	97.40	ng	-0.07
7) Phenol-d6	7.02	99	1048723	100.54	ng	-0.06
23) Nitrobenzene-d5	8.36	82	705529	69.79	ng	-0.08
41) 2,4,6-Tribromophenol	13.60	330	165111	80.68	ng	-0.08
44) 2-Fluorobiphenyl	11.25	172	1073919	71.09	ng	-0.09
78) Terphenyl-d14	17.06	244	720440	56.00	ng	-0.07
Target Compounds						Qvalue
49) Dimethylphthalate	11.95	163	74782	4.38	ng	99
70) Phenanthrene	14.74	178	190170	10.49	ng	100
71) Anthracene	14.86	178	56816	3.10	ng	98
74) Fluoranthene	16.51	202	340059	18.70	ng	97
77) Pyrene	16.82	202	302325	15.36	ng	96
79) Butylbenzylphthalate	17.73	149	22802	2.61	ng	# 85
80) Benzo(a)anthracene	18.41	228	151199	9.72	ng	99
82) Chrysene	18.47	228	144236	9.34	ng	98
83) Bis(2-ethylhexyl)phthalate	18.46	149	30115	2.36	ng	98
85) Indeno(1,2,3-cd)pyrene	21.39	276	59153m	4.78	ng	
87) Benzo(b)fluoranthene	19.70	252	157063m	10.46	ng	
88) Benzo(k)fluoranthene	19.73	252	73863m	5.71	ng	
89) Benzo(a)pyrene	20.07	252	118511	9.12	ng	# 90
91) Benzo(a,h,i)perylene	21.75	276	53625	4.91	ng	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

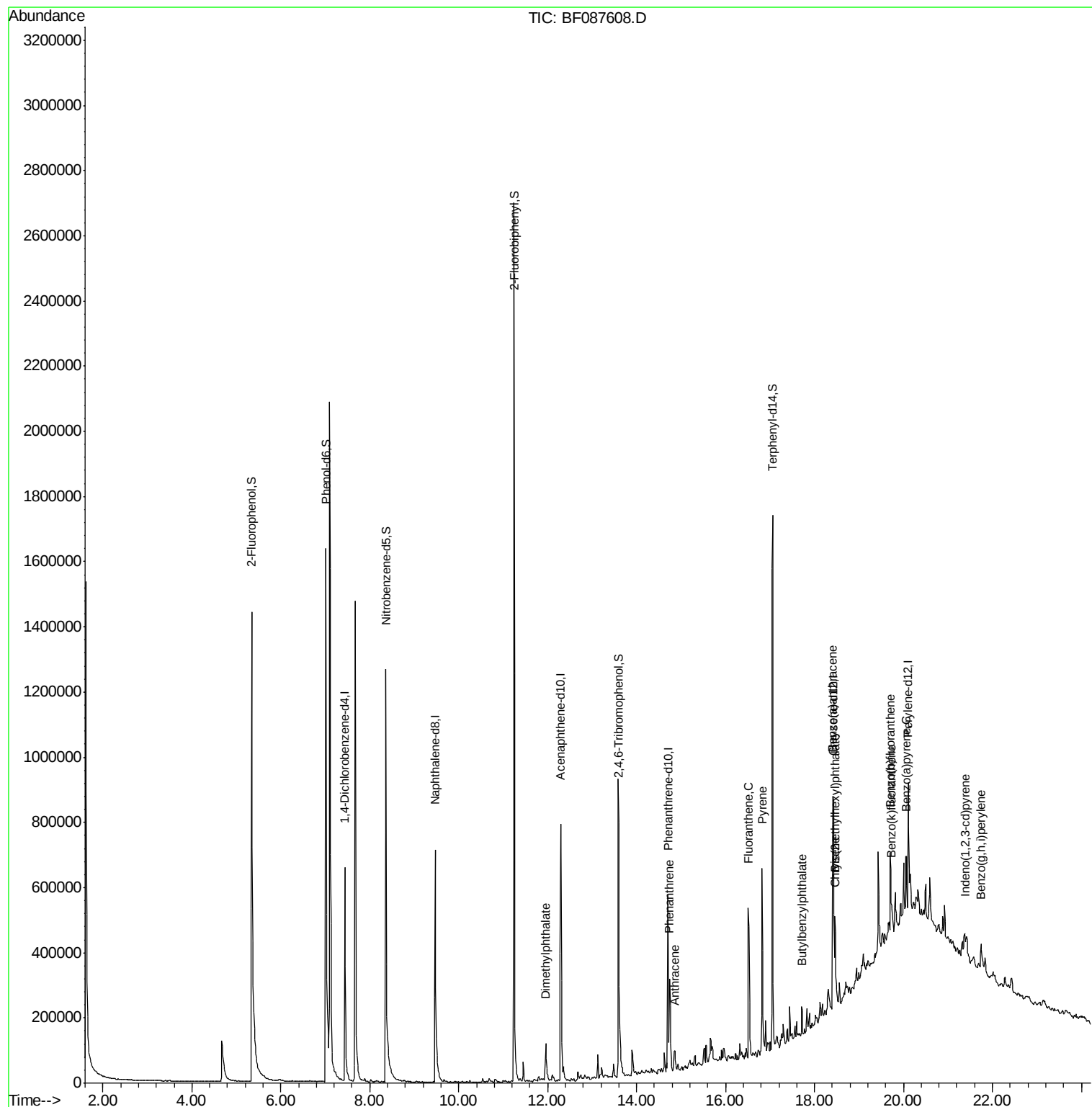
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
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Sample : H3323-06
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ALS Vial : 23 Sample Multiplier: 1

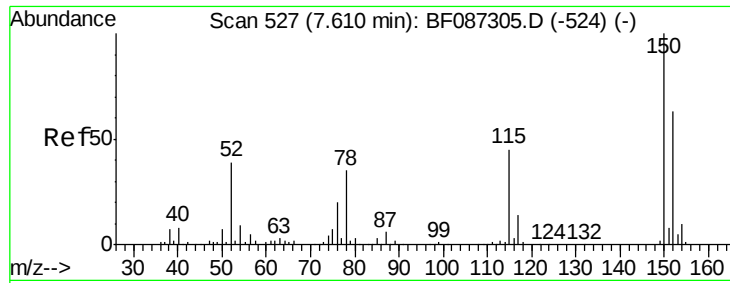
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.44 min Scan# 512

Delta R.T. -0.08 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

Tot Ion:152 Resp: 135651

Ion Ratio Lower Upper

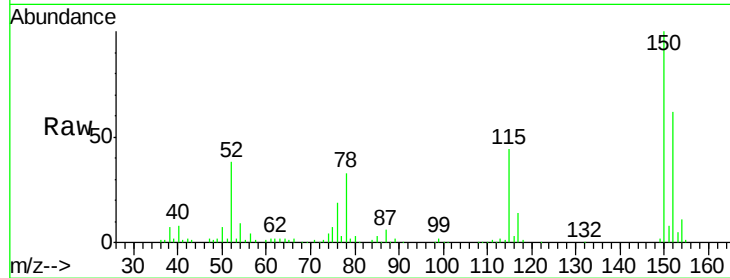
152 100

150 160.9 125.8 188.6

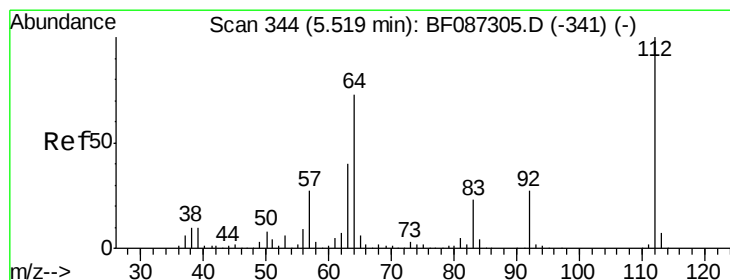
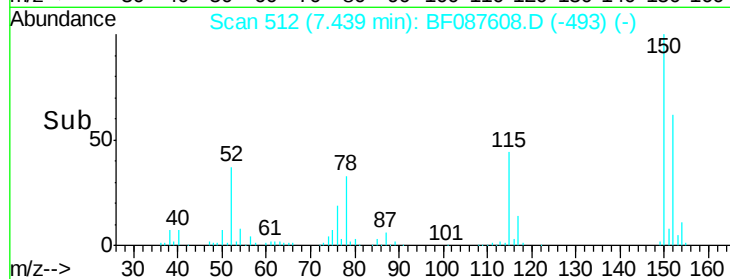
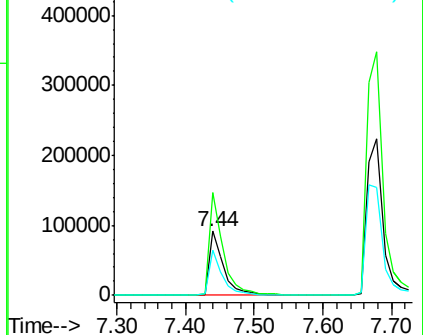
115 70.7 51.5 77.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 97.40 ng

RT: 5.35 min Scan# 329

Delta R.T. -0.07 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

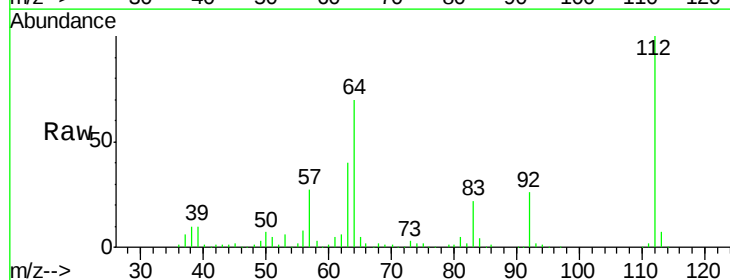
Tgt Ion:112 Resp: 751907

Ion Ratio Lower Upper

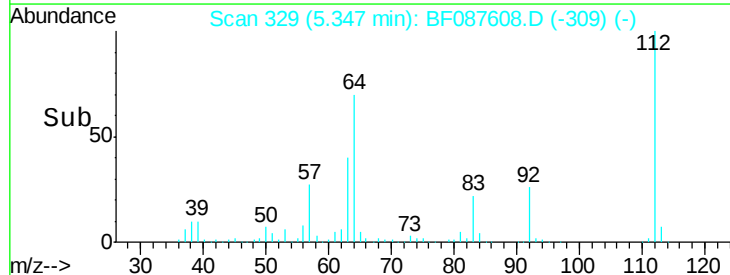
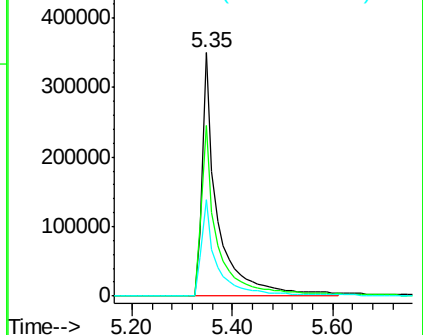
112 100

64 70.0 52.1 78.1

63 39.6 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.54 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.06 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

Tot Ion: 99 Resp: 1048723

Ion Ratio Lower Upper

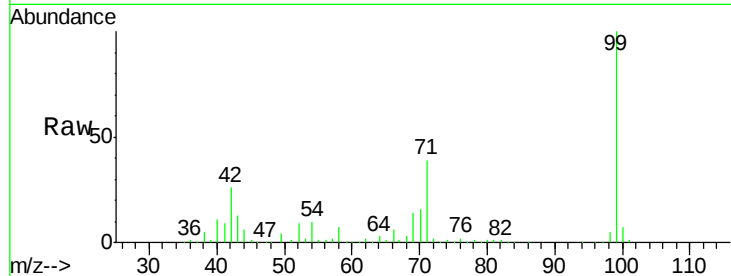
99 100

42 26.3 13.6 20.4#

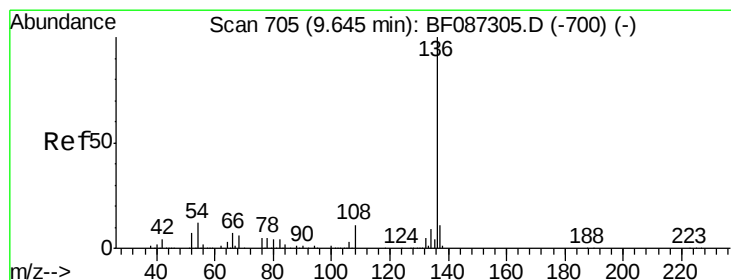
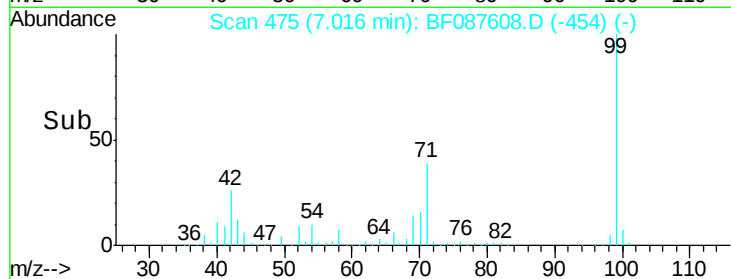
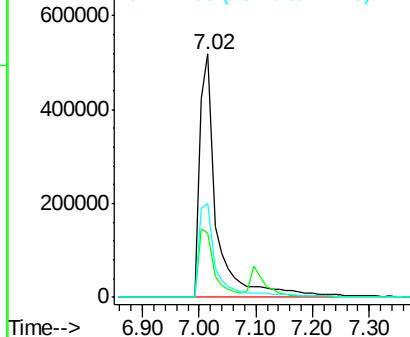
71 38.7 24.6 36.8#

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.08 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Tgt Ion: 136 Resp: 509528

Ion Ratio Lower Upper

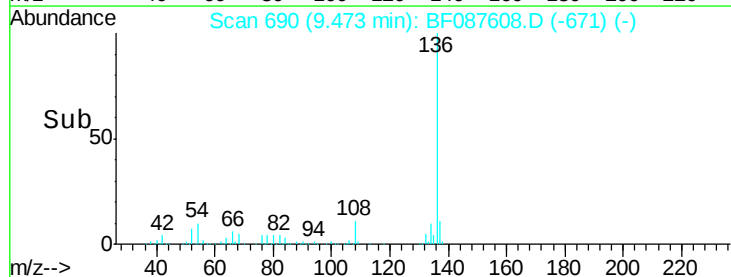
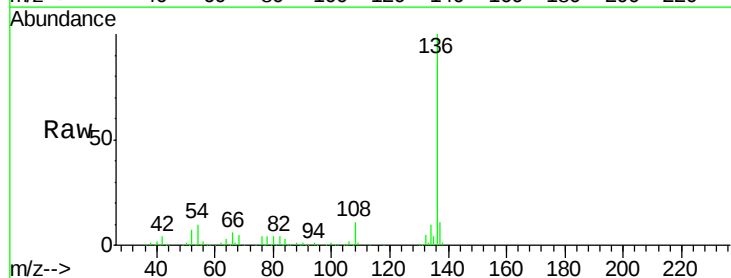
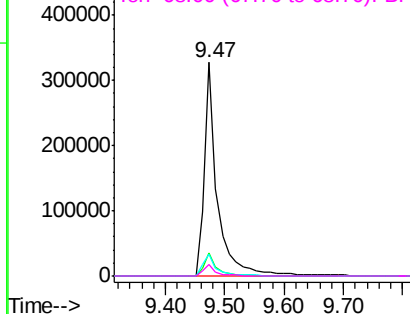
136 100

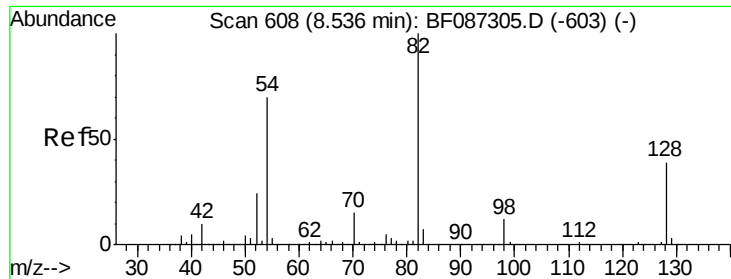
137 11.0 8.8 13.2

54 10.4 5.0 7.4#

68 5.3 4.4 6.6

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





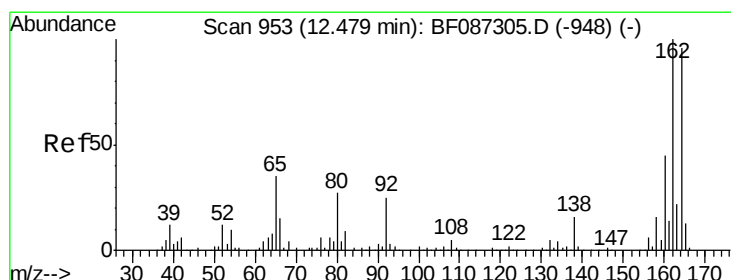
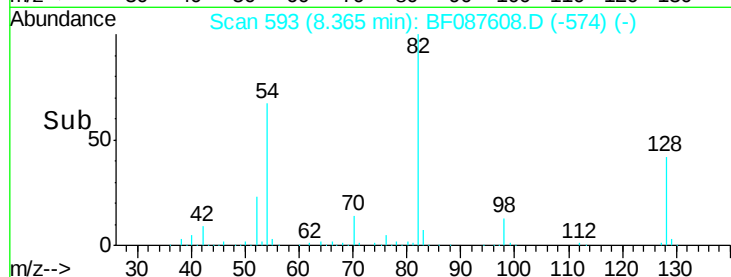
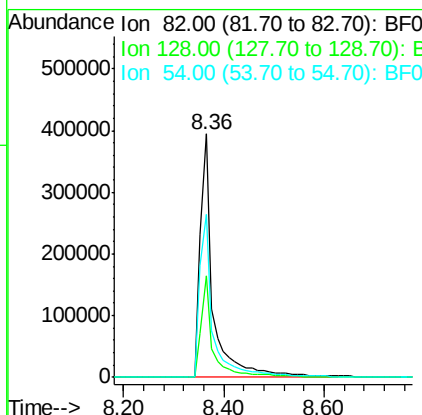
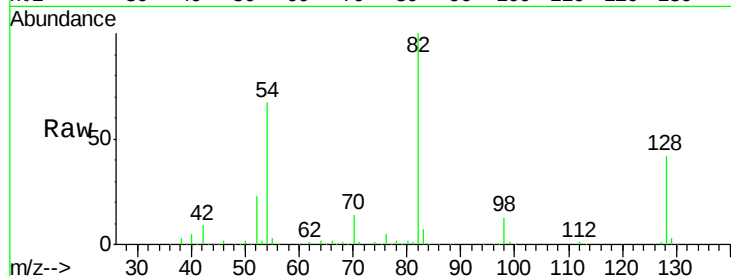
#23
 Nitrobenzene-d5
 Concen: 69.79 ng
 RT: 8.36 min Scan# 593
 Delta R.T. -0.08 min
 Lab File: BF087608.D
 Acq: 1 Jun 2016 6:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.7	40.6	61.0
54	67.2	38.1	57.1

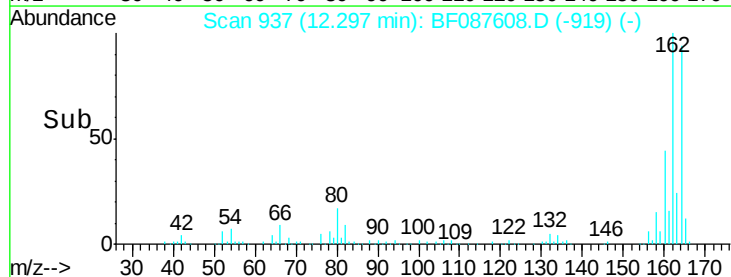
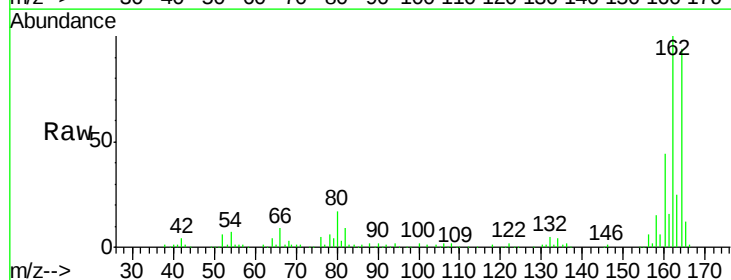
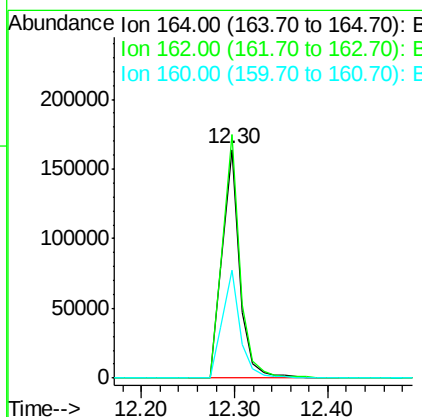
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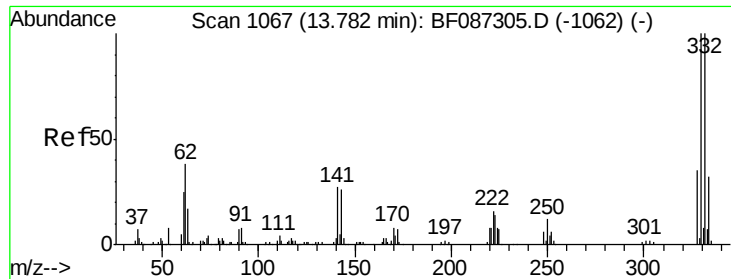
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.09 min
 Lab File: BF087608.D
 Acq: 1 Jun 2016 6:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	82.8	124.2
160	47.3	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 80.68 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.08 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

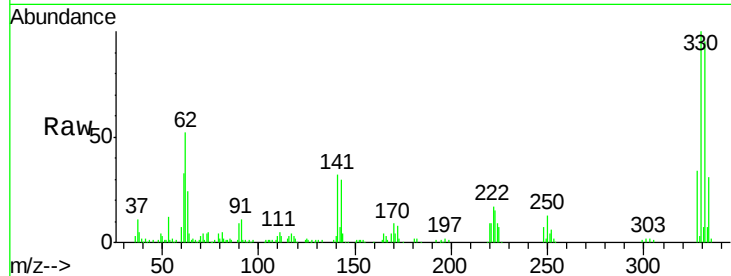
ClientSampleId :

SB-04-COMP

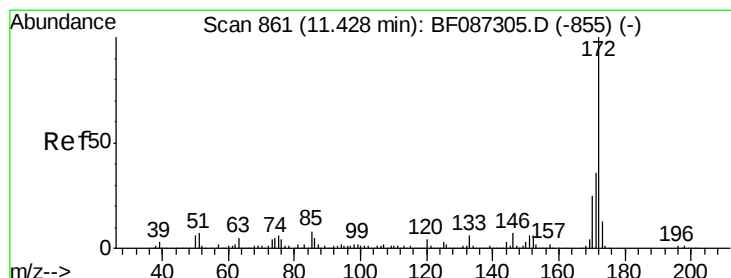
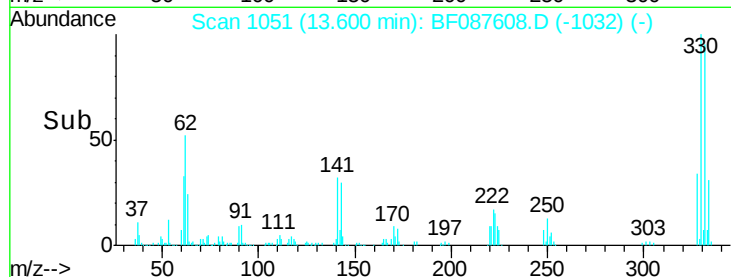
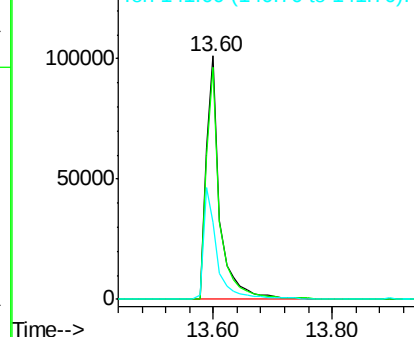
Tot Ion:	330	Resp:	165111
Ion Ratio		Lower	Upper
330	100		
332	95.5	79.0	118.4
141	46.3	31.2	46.8

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 71.09 ng

RT: 11.25 min Scan# 845

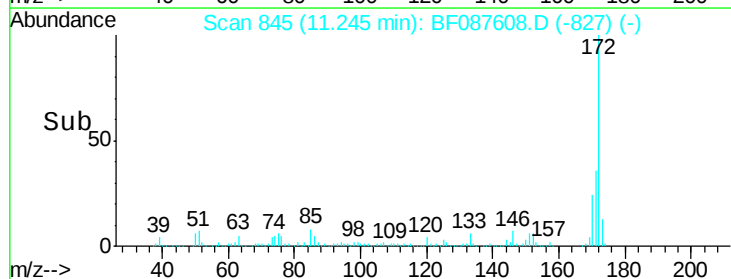
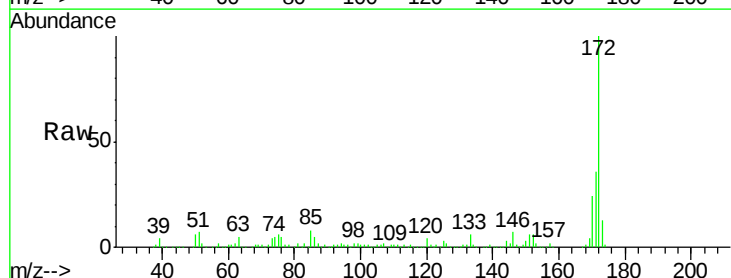
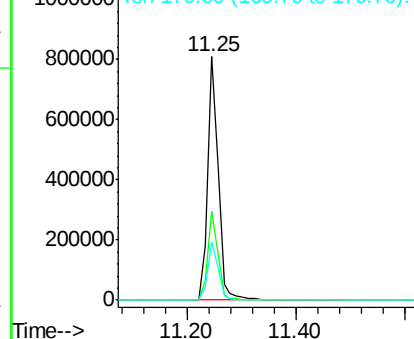
Delta R.T. -0.09 min

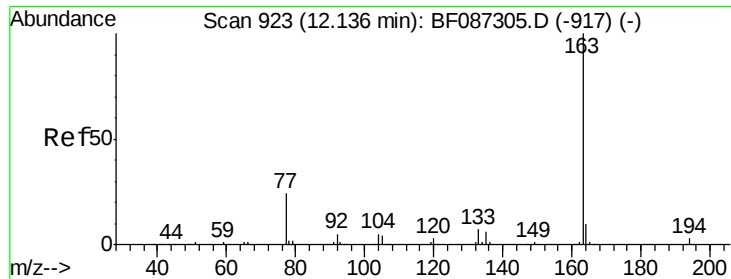
Lab File: BF087608.D

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Tgt Ion:	172	Resp:	1073919
Ion Ratio		Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.0	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





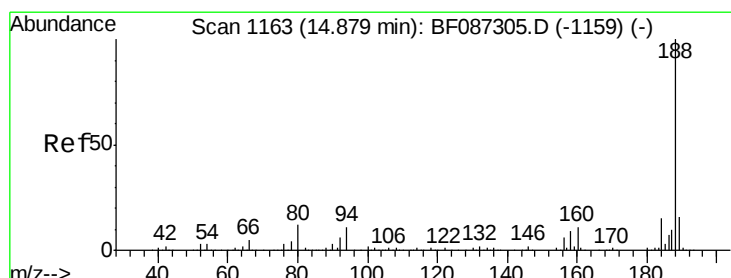
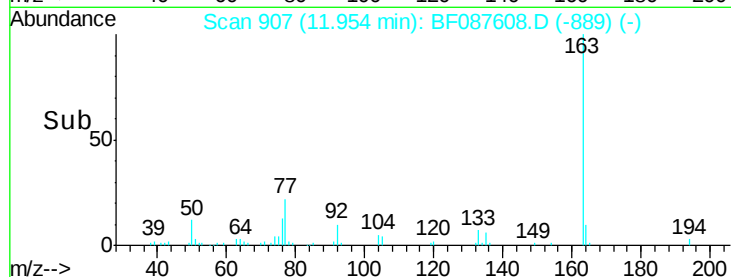
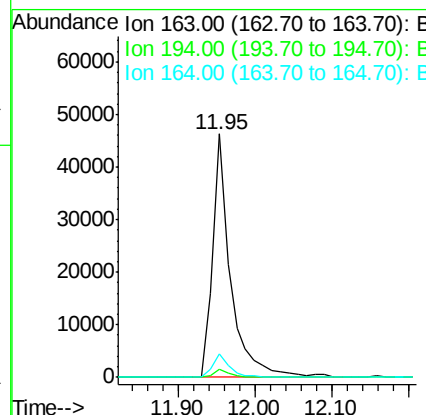
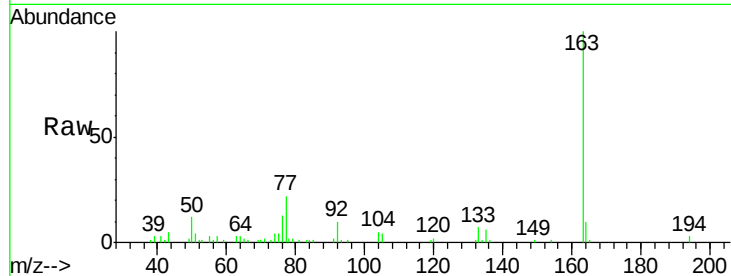
#49
Dimethylphthalate
Concen: 4.38 ng
RT: 11.95 min Scan# 907
Delta R.T. -0.09 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	74782		
194	3.2		2.6	4.0
164	9.9		8.2	12.4

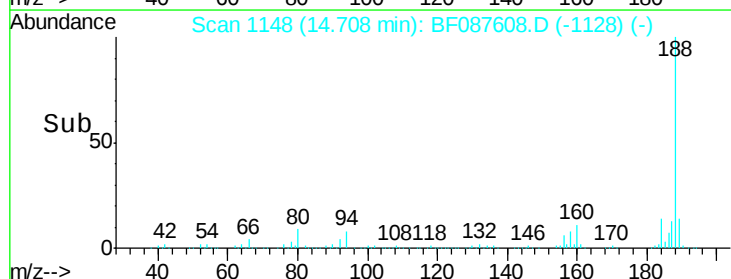
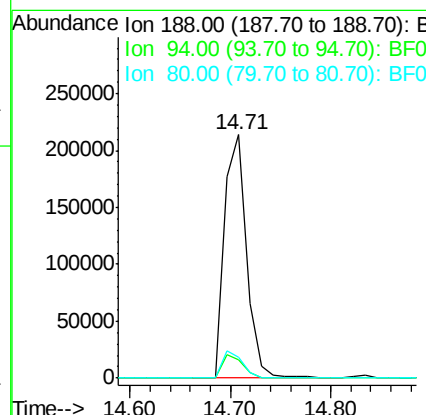
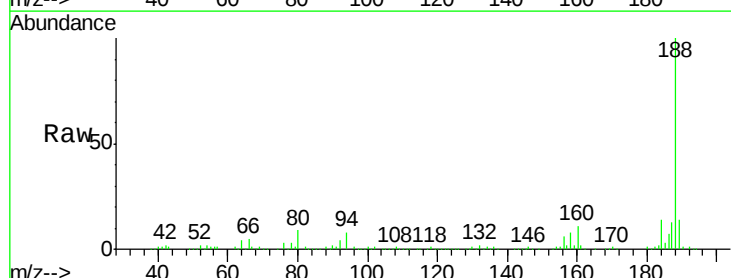
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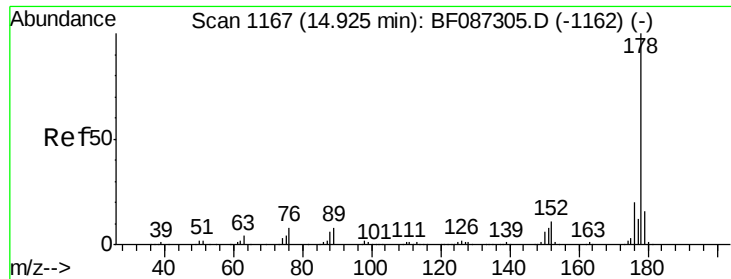
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	327429		
94	7.6		6.8	10.2
80	8.8		7.1	10.7





#70

Phenanthrene

Concen: 10.49 ng

RT: 14.74 min Scan# 1151

Delta R.T. -0.08 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

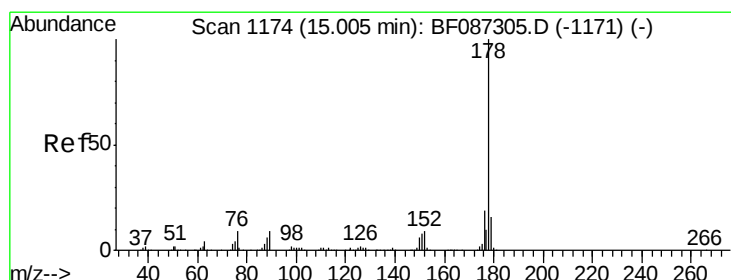
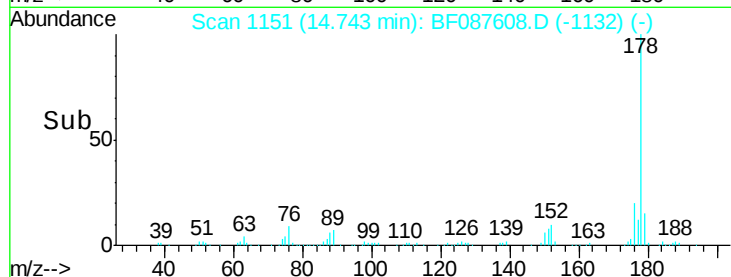
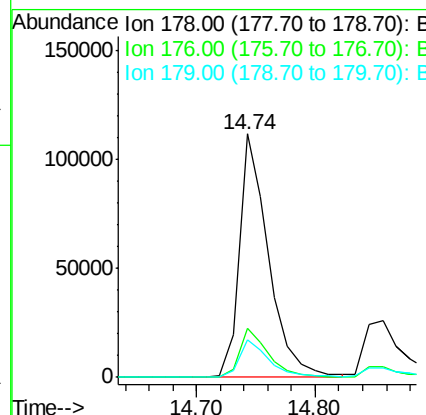
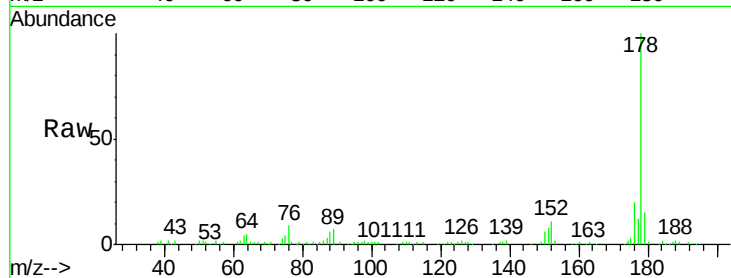
ClientSampleId :

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Tot Ion:	178	Resp:	190170
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.0	24.0
179	15.4	12.6	18.8

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#71

Anthracene

Concen: 3.10 ng

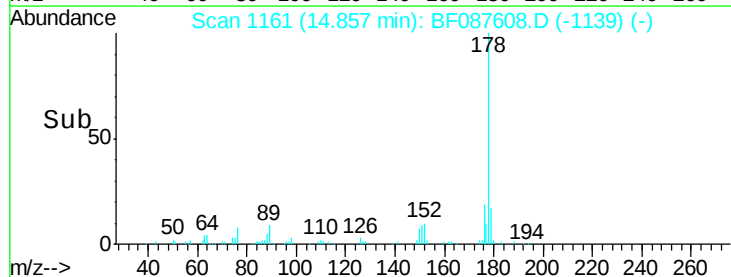
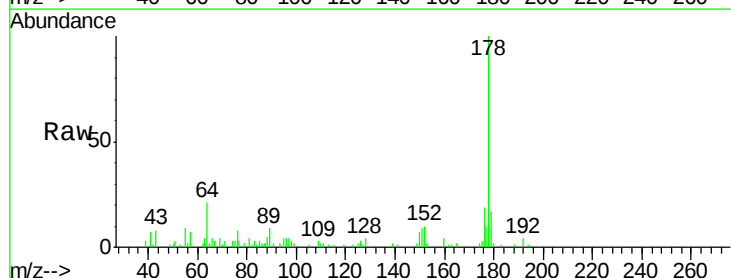
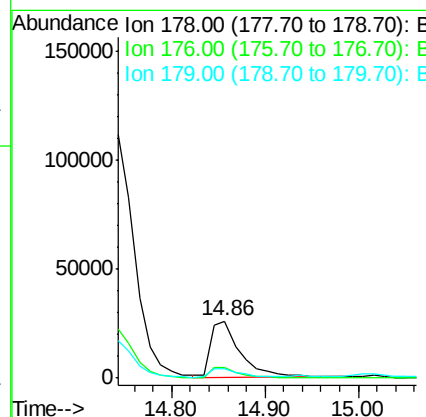
RT: 14.86 min Scan# 1161

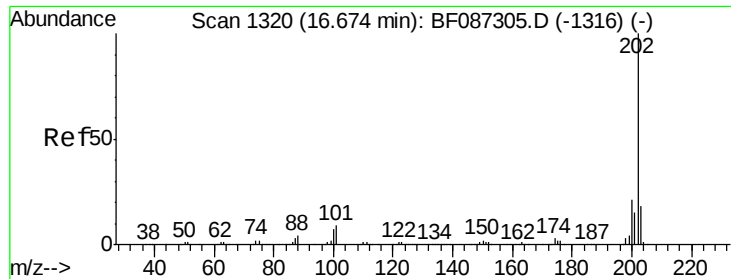
Delta R.T. -0.05 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Tgt Ion:	178	Resp:	56816
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.6	23.4
179	16.9	12.7	19.1





#74

Fluoranthene

Concen: 18.70 ng

RT: 16.51 min Scan# 1306

Delta R.T. -0.07 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

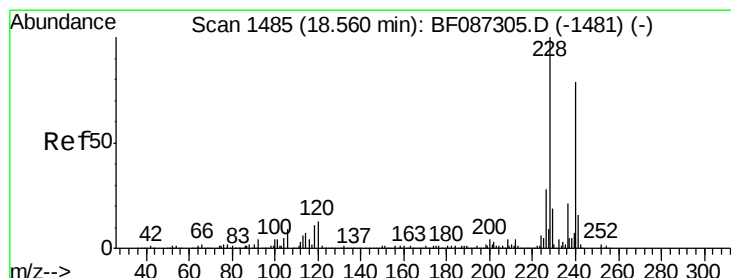
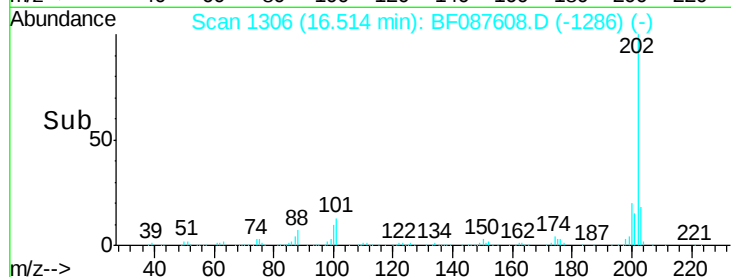
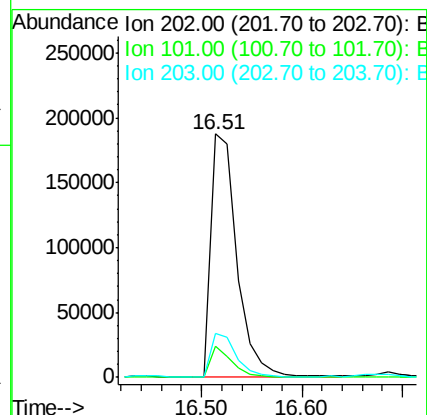
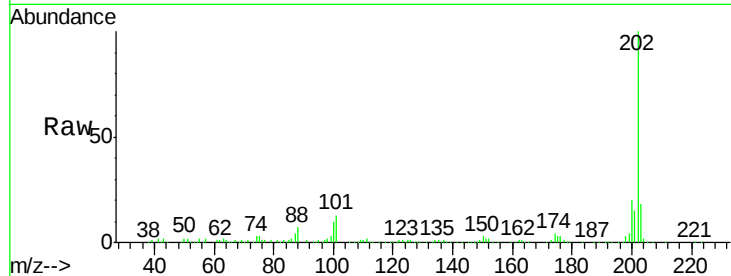
ClientSampleId :

SB-04-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.6	0.0	35.4		
203	17.9	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

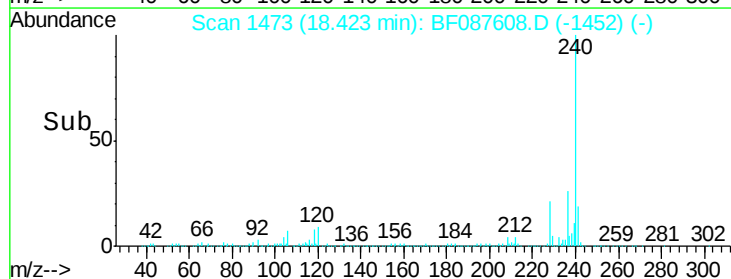
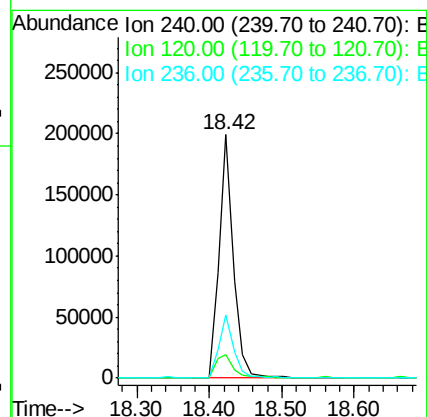
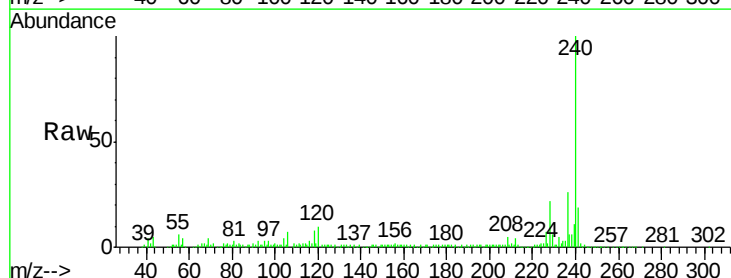
RT: 18.42 min Scan# 1473

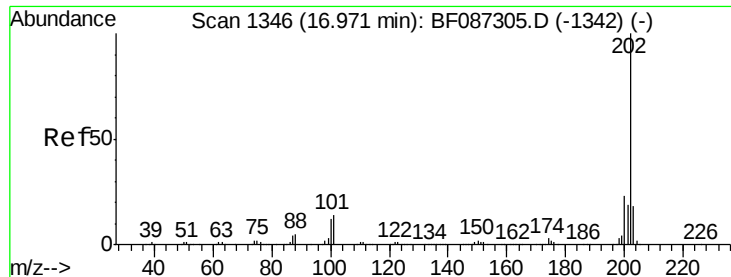
Delta R.T. -0.06 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	9.7	11.2	16.8#		
236	26.2	21.2	31.8		





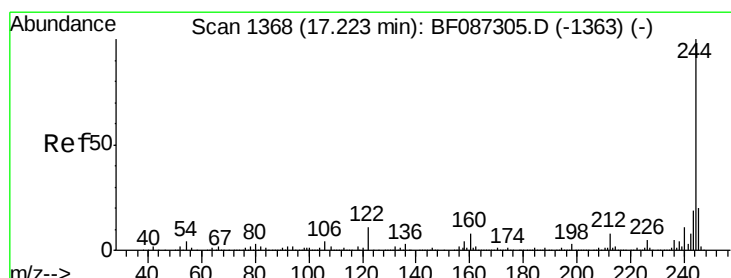
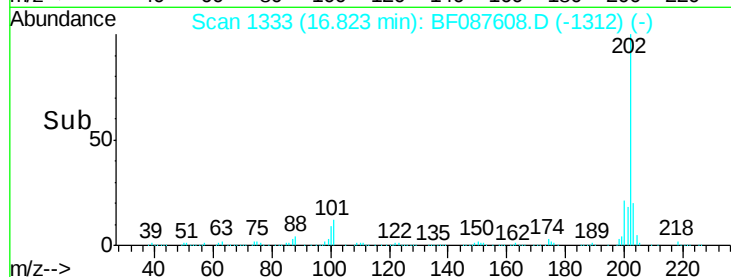
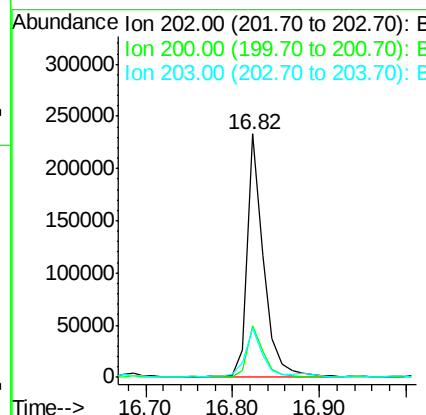
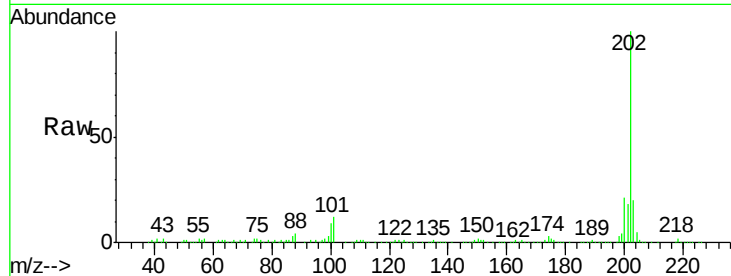
#77
Pvrene
Concen: 15.36 ng
RT: 16.82 min Scan# 1333
Delta R.T. -0.06 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.7	26.5
203	20.4	14.2	21.4

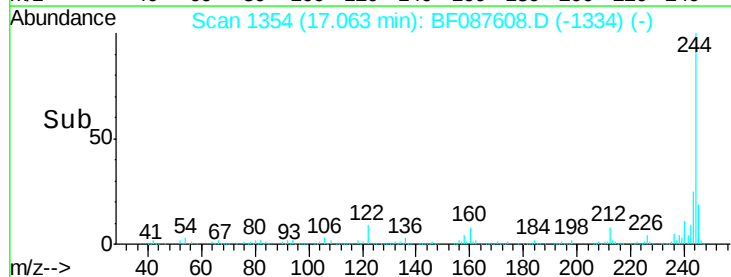
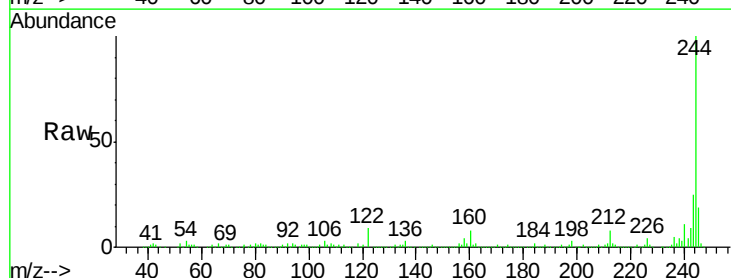
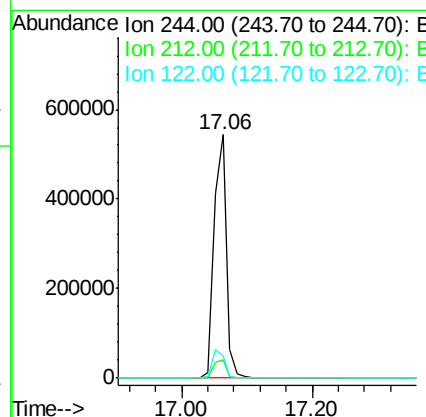
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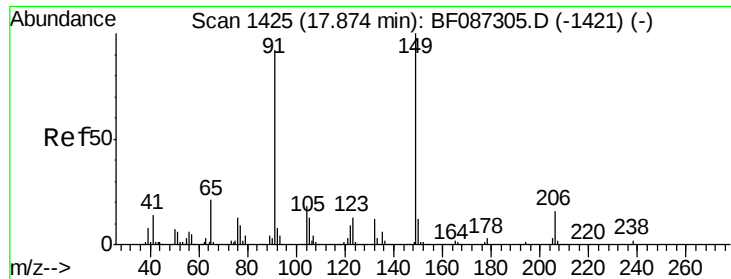
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#78
Terphenyl-d14
Concen: 56.00 ng
RT: 17.06 min Scan# 1354
Delta R.T. -0.07 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.6	6.2	9.2
122	9.2	12.0	18.0#





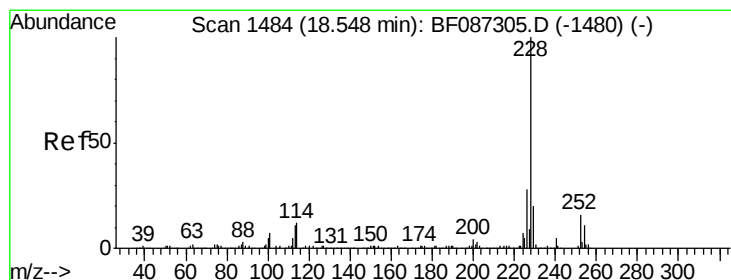
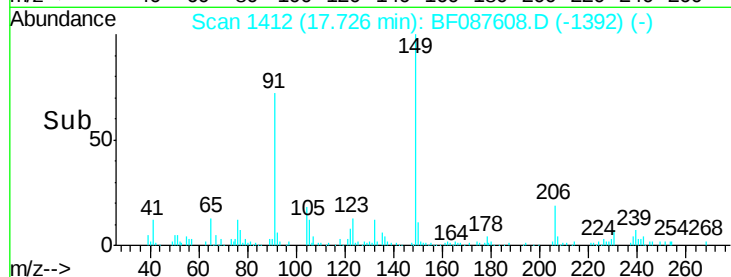
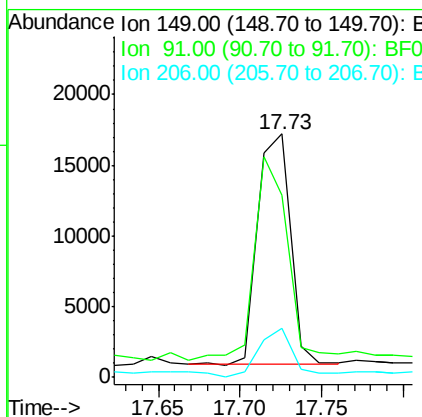
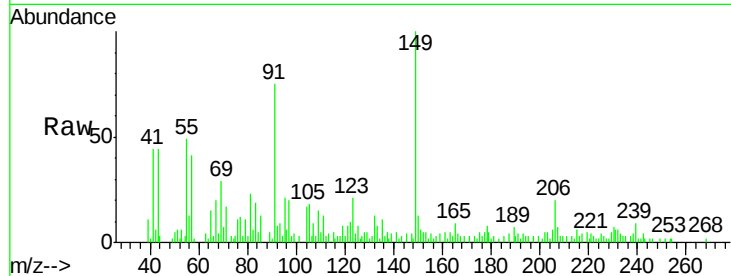
#79
Butylbenzylphthalate
Concen: 2.61 ng
RT: 17.73 min Scan# 1412
Delta R.T. -0.07 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
91	74.9	48.0	72.0#
206	20.1	15.8	23.6

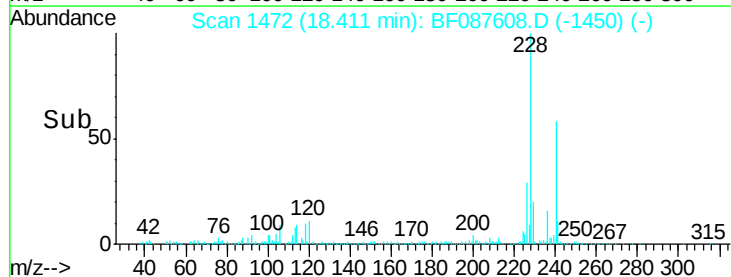
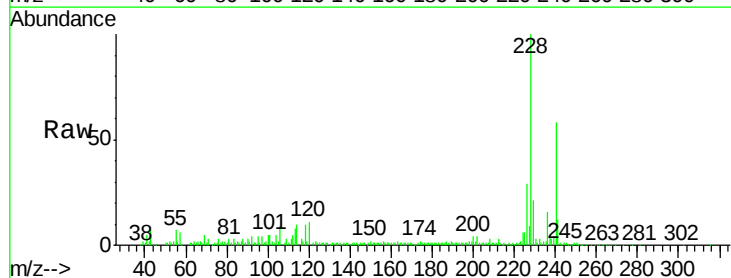
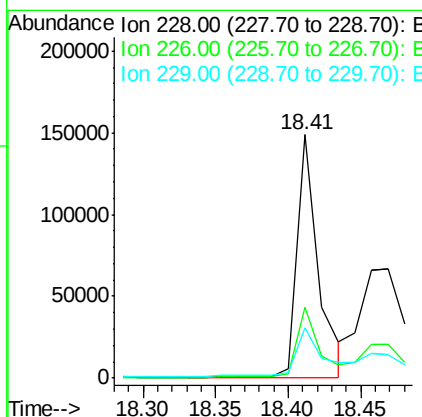
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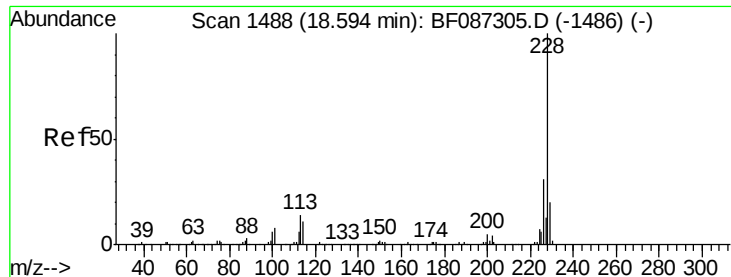
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#80
Benzo(a)anthracene
Concen: 9.72 ng
RT: 18.41 min Scan# 1472
Delta R.T. -0.05 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.5	33.7
229	20.9	16.6	25.0





#82

Chrysene

Concen: 9.34 ng

RT: 18.47 min Scan# 1477

Delta R.T. -0.05 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

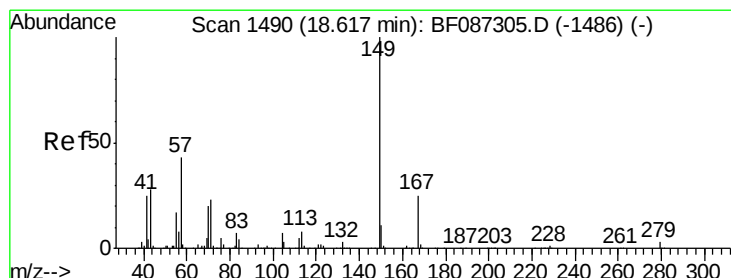
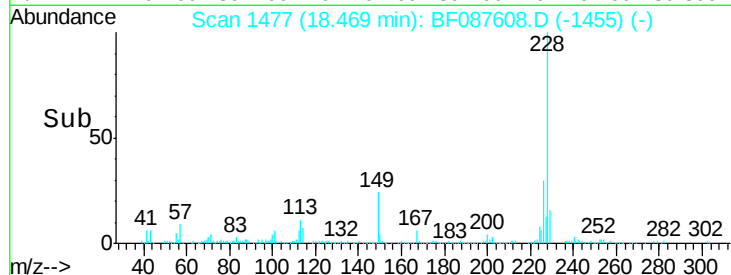
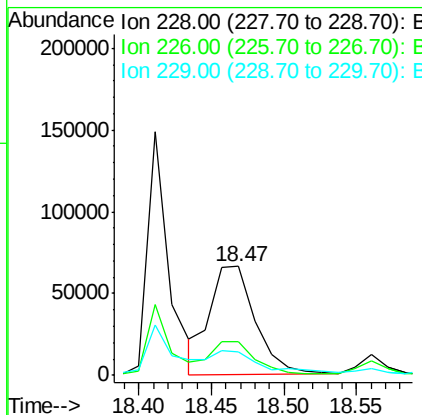
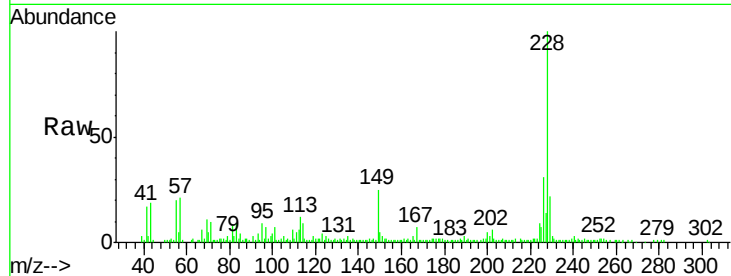
ClientSampleId :

SB-04-COMP

Tot Ion:	228	Resp:	144236
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.4	36.6
229	21.5	15.8	23.8

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.36 ng

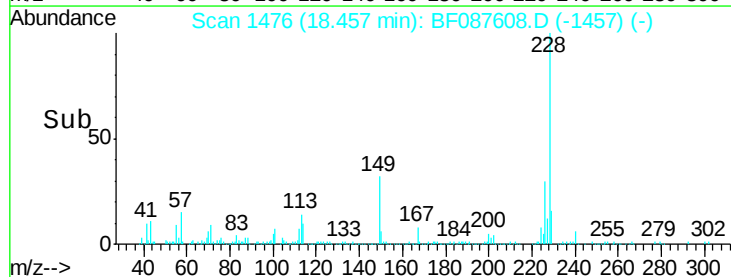
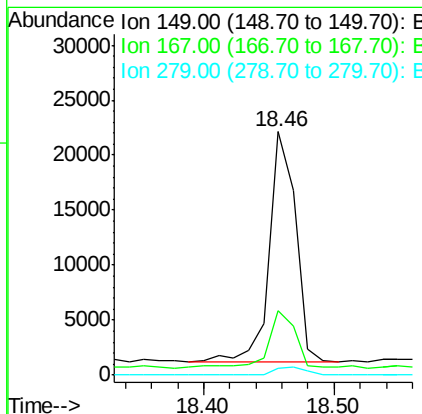
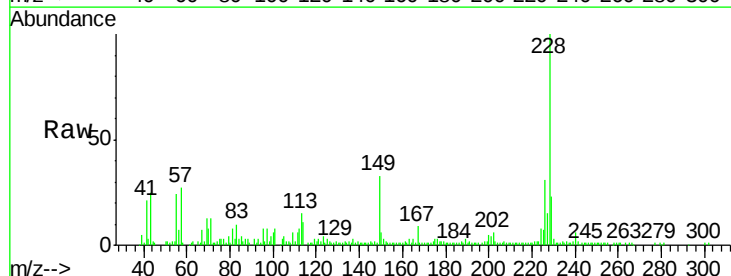
RT: 18.46 min Scan# 1476

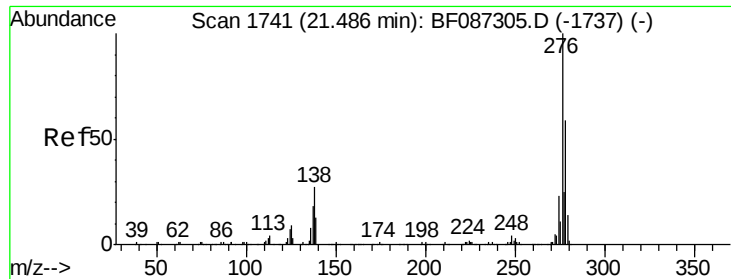
Delta R.T. -0.08 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Tgt Ion:	149	Resp:	30115
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.8	32.6
279	2.7	2.6	4.0





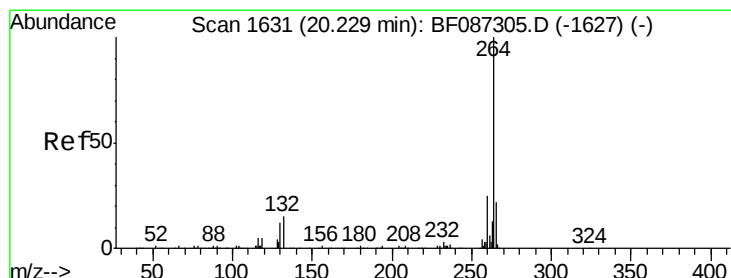
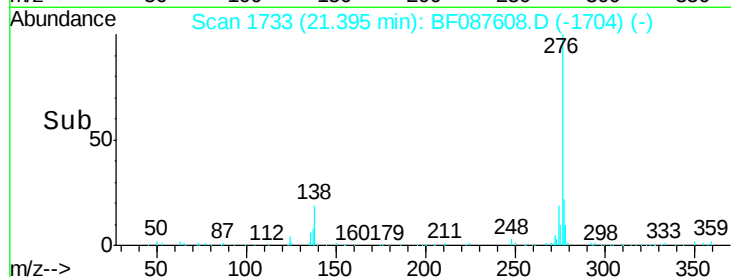
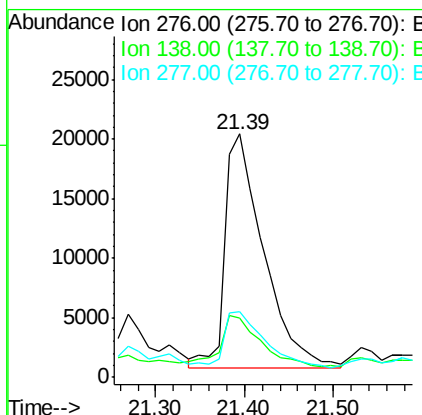
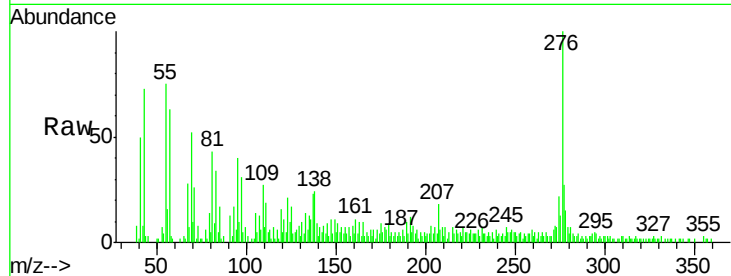
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.78 ng/mL
RT: 21.39 min Scan# 1733
Delta R.T. 0.03 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	3.7	25.6	38.4#
277	6.7	20.5	30.7#

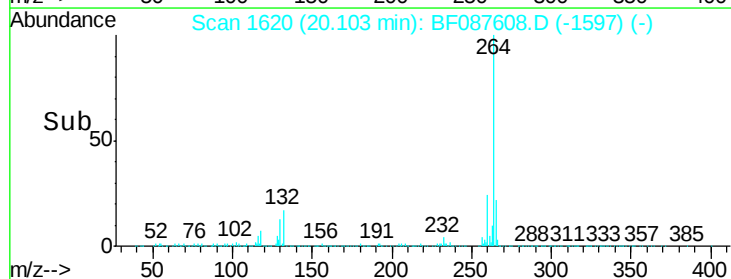
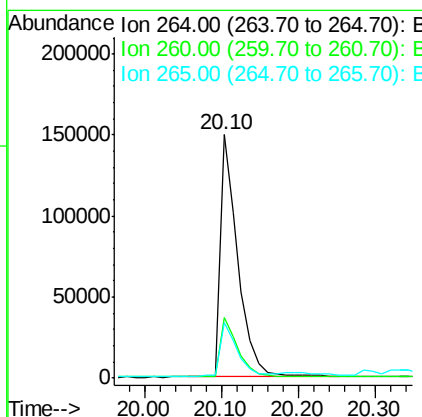
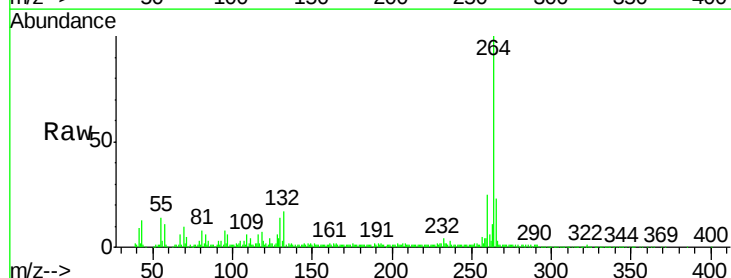
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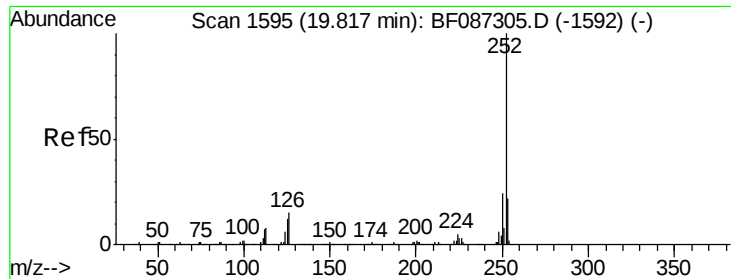
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.10 min Scan# 1620
Delta R.T. -0.03 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	22.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 10.46 ng m

RT: 19.70 min Scan# 1585

Delta R.T. -0.02 min

Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Instrument :

BNA_F

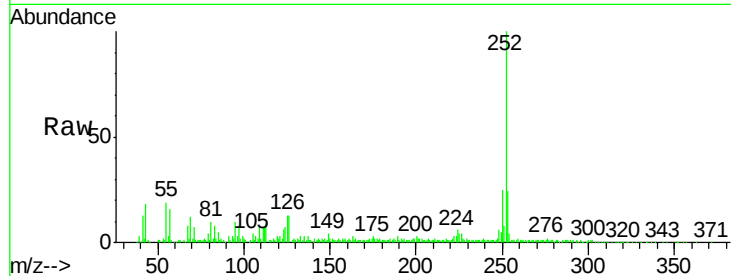
ClientSampleId :

SB-04-COMP

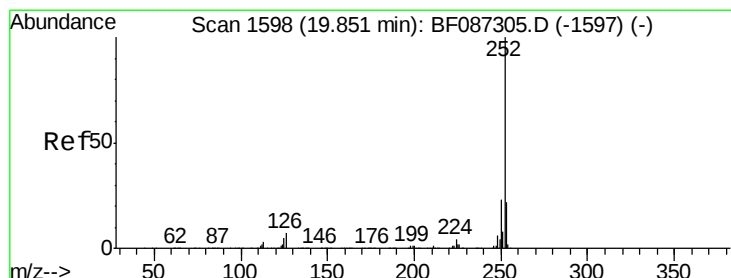
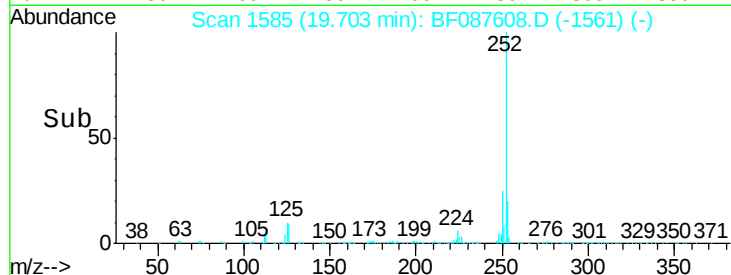
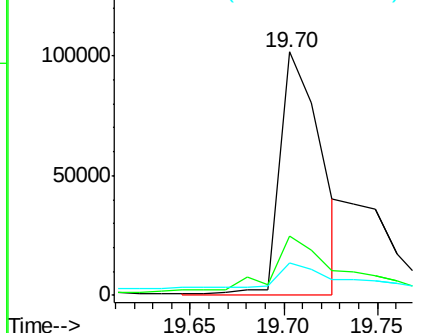
Tot Ion:	252	Resp:	157063
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.8	26.6
125	13.2	11.4	17.0

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.71 ng m

RT: 19.73 min Scan# 1587

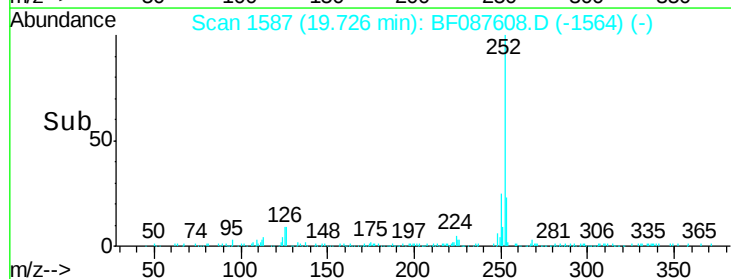
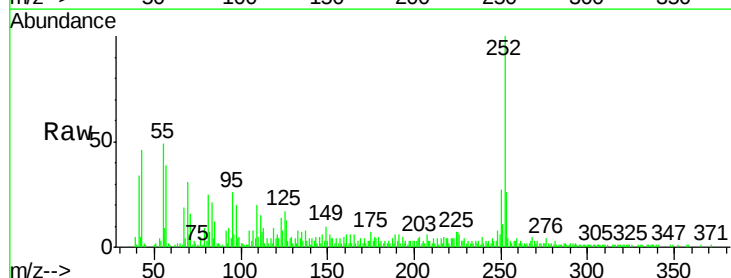
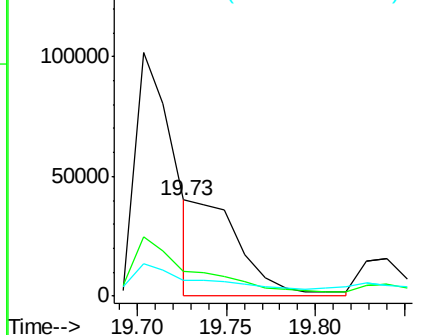
Delta R.T. -0.03 min

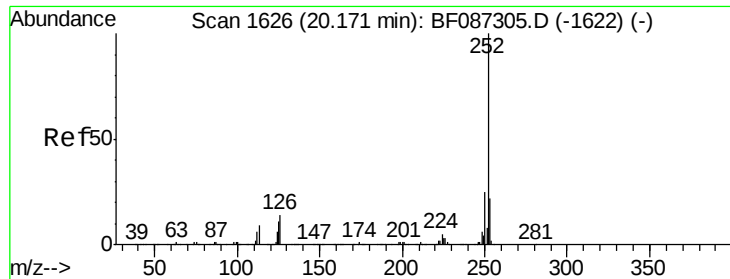
Lab File: BF087608.D

Acq: 1 Jun 2016 6:36

Tgt Ion:	252	Resp:	73863
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.8	26.6
125	16.7	9.1	13.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





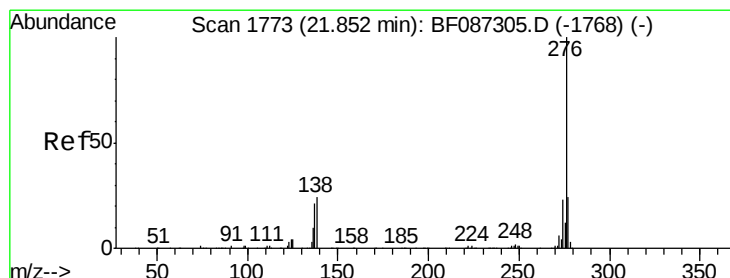
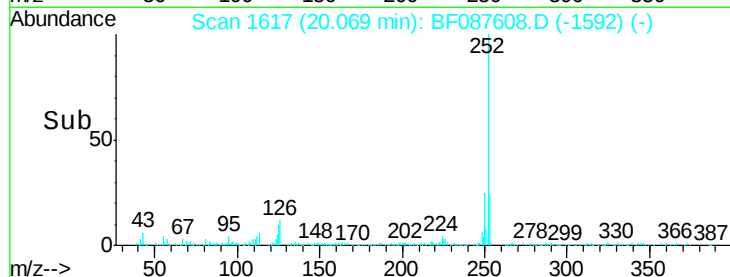
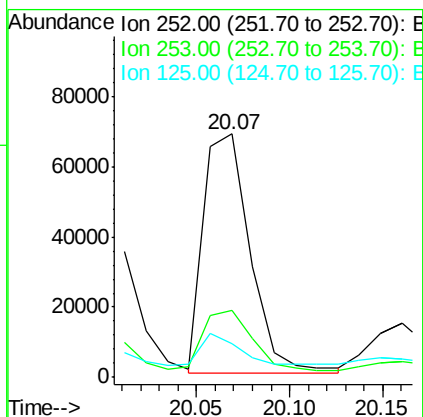
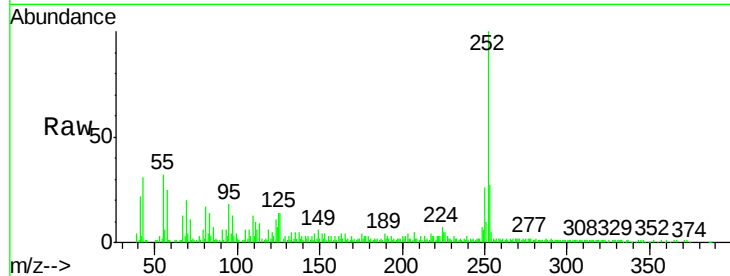
#89
Benzo(a)pyrene
Concen: 9.12 ng
RT: 20.07 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	27.3	17.2	25.8#
125	13.8	9.0	13.6#

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#91
Benzo(g,h,i)perylene
Concen: 4.91 ng
RT: 21.75 min Scan# 1764
Delta R.T. 0.03 min
Lab File: BF087608.D
Acq: 1 Jun 2016 6:36

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	28.2	19.6	29.4
138	24.3	23.6	35.4

